

Bibliographic identification

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Abstract

The theoretical part of this thesis provides an overview of the knowledge about the developmental coordination disease (DCD), its relationship to physical activities and findings concerning swimming styles with emphasis on the freestyle stroke.

The practical part summarizes and evaluates the results of the MABC-2 test, the d2 attention test as well as the survey that have all been performed on a group of swimmers from the TJ Slovan Karlovy Vary swimming club. The aim of the thesis was to assess the level of the motor skills of competitive swimmers and leisure swimmers along with examining differences between the results of both groups. Another aim was to compare adherence to physical activity as well as participation in such activities between the groups. The last goal was to compare the correlation between the observed level of motor skills and the current level of attention.

The level of motor skills differed between the competitive swimmers and the leisure swimmers groups. Both groups of swimming children demonstrated worse results in the balance components of the MABC-2 test compared to children from acrobatic rock'n'roll group, cross-country skiing group and children developing versatility. Children from the competitive group didn't participate more in organized physical activities before the age of 6. No significant correlation was found between the results of the MABC-2 test and the d2 test.

Keywords

developmental coordination disorder, DCD, physical activity, swimming